

2. *Vioa carteri*, p. 129.
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6. *Aphroceras caminus*, p. 135.
a. Spicules of main wall in their natural mutual positions, as in fig. 4 a, $\times 34$ diam.; b. Portions of fine acerate spicules, $\times 67$ diam.
7. *Aphroceras caminus*?, var. *crassior*, p. 135.
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8. *Grantia atlantica*, p. 136.
Spicules of main wall in their natural mutual positions, with the exception of the acerate, which is displaced inwards, $\times 34$ diam.

2. Descriptions of some new Exotic Species of Moths. By J. O. WESTWOOD, M.A., F.L.S., &c.

[Received December 15, 1880.]

(Plates XII., XIII.)

Genus *CASTNIA*, Fabricius.

CASTNIA ERYCINA, sp. nov. (Plate XII. fig. 4.)

Species minima in genere: alis anticis nigro-fuscis, certo situ metallice, basi chalybeo-, apice viridi-nitidis; alis posticis supra chalybeo-nigris, costa late sanguinea, dimidio postico late viridi-argenteo, venis nigris diviso; corpore antennisque nigris chalybeo tinctis.

Expans. alarum anticarum lin. 19.

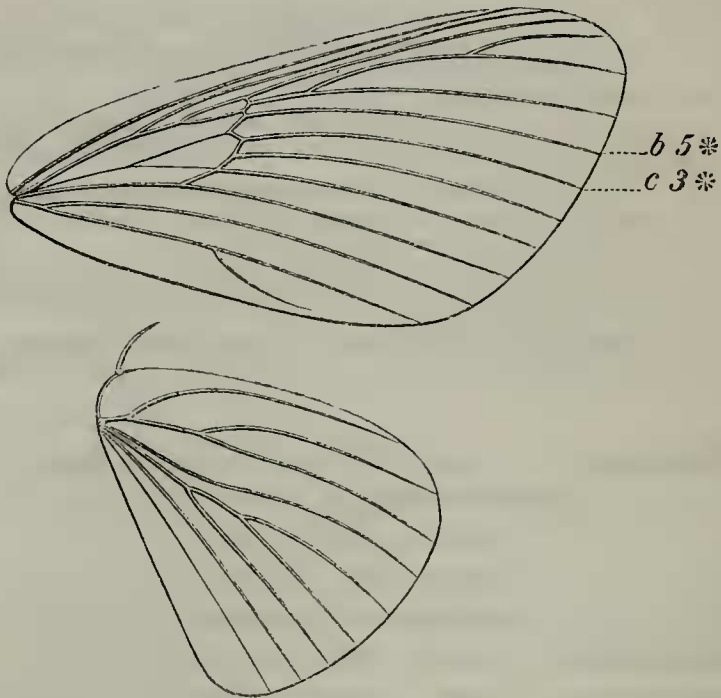
Hab. Eastern Ecuador (*Buckley*). In Mus. Salvin et Godman; etiam in Mus. Hopeiano Oxoniæ.

This lovely little insect formed part of a collection of insects from Eastern Ecuador, belonging to Messrs. Godman and Salvin, to whom the Hopeian Collection is indebted for a specimen. It was at first regarded as a butterfly and placed in the family Erycinidæ, to some of the species of which it bears a striking resemblance. The arrangement of the veins of the wings, however, proves its position in the genus *Castnia*, with none of the species of which, however, does it possess a very decided relationship. The branches of the postcostal vein form an oblong cell in front of the anterior division of the discoidal cell, which is closed in its upper part by the angulated base of the two discocellular veins (See fig. 1, p. 142, b 5* and c 3*). The anal vein emits a short branch in the middle of its hinder margin.

Mr. Clarence Buckley, by whom this species was captured, informs me that he took the specimens at Sarayacu, in a little clearing caused

by the fall of a tree, their habit being to sit with the wings open (flat?) on the tops of young leaves, then to take a slow flight round the clear space without fluttering the wings, and to settle again at the old

Fig. 1.

Wings of *Castnia crycina*.

place, whence, after remaining for a few minutes, they set off again for another round. He only found the species in this one spot, although there were plenty of similar open spaces caused by fallen trees in the neighbourhood. The flight of all the *Castniæ* is generally very rapid; but in this one it is just the reverse, and they were very easy to take either sitting or flying. He never took more than one any day; and sometimes for two or three weeks they seemed to disappear, when suddenly one would be found in the same spot and on the same tree.

Genus SATURNIA, Fabricius.

SATURNIA ARNOBIA, sp. nov. (Plate XII. fig. 2.).

S. alis anticis apice subacutis, posticis rotundatis, omnibus aurantiaco-fulvis fusco strigosis ocelloque medio, parvo, rotundato, vitreo, fusco cincto, fere ejusdem magnitudinis ornatis; anticis fascia parum undulosa inter basin et ocellum, altera submedia per ocellum currente, marginem internum attingente, tertiaque magis obliqua ad apicem alarum extensa et cum priore ad marginem internum connexa; alis posticis fascia media fusca a medio marginis analis fere ad marginem costalem (post medium ejus extensa), parti superce ocelli insidente, strigaeque undulosa fusco-rufa inter ocellum et marginem spatio inter strigam ex-

*ternam et marginem undulis obscurioribus parum distinctis notato ;
antennis brevibus, breviter bipectinatis : alis subtus similiter
coloratis.*

Expans. alarum anticarum unc. 6½.

*Hab. in Calabar Africæ tropicalis. In museo T. Chapman
Glasguæ.*

SATURNIA HYPERBIUS, sp. nov. (Plate XIII. fig. 3.)

*Alis anticis ferruginosis, puncto minimo vitreo ad apicem cellulæ
discoidalis, striga fere recta obliqua pone medium alæ cinerea,
area pone strigam magis aurantiuca, margine apicali plumbeo
tincto, ciliis rufis ; alis posticis fulvis, ocello mediocri medio cinereo
(medio albo) circulo nigro, striga angusta cinerea inter ocellum
et marginem posticum plumbescens, ciliis rufis : alis subtus
saturatioribus, venis flavis, anticis macula rotunda nigra, medio
vitrea, ocello in posticis fere oblitterato, strigaeque pone medium
angustiore et minus distincta ; corpore rufo, abdomine magis
fulvo.*

Expans. alarum anticarum fere unc. 5.

*Hab. in Africa meridionali (D. Buxton). In Mus. Hopeiano
Oxoniae.*

*Affinis Saturniæ (Bunee) nictitanti, Fabr., Oliv. ; antennæ in nostro
individuo unico detrītæ.*

SATURNIA SCIRON, sp. nov. (Plate XII. fig. 3.)

*S. alis integris, rotundatis, pallide fusco-cervinis, omnibus ocello
rotundato mediocri ejusdem magnitudinis fusco, subtus luteo,
medio vitreo, supra lunula tenui fusca, intus albida, notatis ;
anticis striga perangusta lutea extus fusca, a medio marginis
interni fere ad apicem alarum extensa, parum undulosa, nubila-
que fusca transversa inter basin et medium alarum ; alis posticis
etiam nubila simili angulata inter basin et ocellum strigaeque
pone ocellum fere obsoleta fuscescentibus ; antennis fulvis, pec-
tinibus brevibus, alternatim longioribus et brevioribus : alis subtus
pallide fusco-albidis ; anticis fasciis duabus undulosis obscuris
pone medium vix notatis, alteraque integra fere semicirculari
inter basin et ocellum alarum.*

Expans. alarum anticarum unc. 5½.

*Hab. in insula Malayana Waigiou (Wallace). In Mus. Hopeiano
Oxoniae.*

SATURNIA SERGESTUS, sp. nov. (Plate XIII. fig. 2.)

*S. alis anticis apice acutis, posticis rotundatis ; omnibus albido-
cervinis, ocello medio ovali fere ejusdem magnitudinis, carneo-
fusco, supra lunula tenui alba alteraque curnea superato, extus
semicirculo tenui nigro cingulato, medio ocelli vitreo, in alis
anticis majore ovali, in posticis parvo rotundato, maculaque
oblonga nigra, in his extus adjecta ; alis anticis prope basin striga
tenui transversa subcurvata nigricante alteraque brevi inter basin
alarum et ocellum transversa ; omnibus fascia tenui nigra com-
muni extus albo marginata, inter ocellum et marginem apicalem*

(*fere angulum apicalem anticarum attingente*), *marginē alarum pone hanc fasciam magis fusco-vinoso; antennis rufescentibus, breviter pectinatis; collo albo; corpore alis concolori.*

Affinis *S. mylittæ*.

Expans. alarum anticarum unc. 6 $\frac{2}{3}$.

Hab. in Japonia. In Mus. Hopeiano Oxoniæ.

SATURNIA IOLE, sp. nov. (Plate XII. fig. 1.)

S. alis anticis subfalcatis, apice rotundato, posticis elongatis angustis, omnibus basi cinereo-fusca; anticis fascia lata alba fere mediana, lunula media angusta curvata ulba, medio vitreo, spatio pone fasciam magis rufescente, ocello ovali prope apicem alæ parvo nigro, albo anguste cincto, strigaque tenui ab ejus apice fere ad angulum posticum extensa cum margine ipso parallela; alis posticis inter basin et medium lunula alba, postice in fasciam latam pallidam dilatata, ad angulum analem extensa, ocelloque lunato albo, linea media vitrea, margineque postico luteo, in margine supero fasciæ insidente; alis posticis pone fasciam pallide fuscis, striga pallidiore margini parallela: corpus fuscum, collari albo, abdomine albido, segmentis in media basi fuscis; antennis subfulvis, satis late bipectinatis.

Expans. alarum unc. 4 $\frac{1}{2}$.

Hab. in Assama Indiæ orientalis. In Musæo Hopeiano Oxoniæ.

SATURNIA (EUDÆMONIA) ARGIPHONTES. (Plate XIII. fig. 1.)

Eudæmonia argiphontes, Maassen in litt., Kirby, Trans. Ent. Soc. Lond. 1877, p. 20.

Affinis Bombyci brachyuræ, Drury (argus, Stoll), at major alisque posticis in mare multo longioribus. Faunicolor, alis anticis fascia fusca valde obliqua prope basin, fere ad medium costæ extensa, alteraque fere recta inter medium et apicem per alas posticas ad marginem analem extensa, spatio pone hanc fasciam in anticis albo, cervino extus pallide tincto; spatio inter medium alæ et fasciam guttis 5 vel 6 flavis fusco cinctis, medio cujusque minute vitreo; cauda alarum posticarum inter medium et partem dilatam albida; alis anticis fœminæ medio magis fulvescentibus, fasciis duabus purpureo-fuscis, externa extus anguste albo marginata, colore albo ad costam parum dilatato; alis posticis in fœmina cauda tantum dimidium ejus in mare æquante, et parte media ejusdem magis fusca instructis.

Expans. alarum unc. 3-3 $\frac{1}{4}$.

Long. caud. alar. post. ♂ unc. 5 $\frac{3}{4}$, ♀ unc. 2 $\frac{3}{4}$.

Hab. Sierra Leone Africæ tropicalis. In Mus. reg. Dubliuensi.

The preceding description of both sexes and accompanying figure of the male of this extraordinary species were made from the pair of typical specimens in the Museum of the Royal Dublin Society, kindly submitted to me by Mr. W. F. Kirby in 1877, since which period that gentleman has published the following description of the species in the 'Transactions of the Entomological Society of London':—

"Allied to *brachyura*, *Drury (Argus, Stoll)*. Brown, ♀ paler. Wings shaped as in *brachyura*, and slightly scalloped as in that species;



1



2



3



4

uss lith

Hanhart imp

1 SATURNIA IOLE 3. SATURNIA SCIRON.
2 " ARNOBIA. 4. CASTNIA HYPERBIUS.